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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/825,339	04/15/2004	Thomas Neil Horsky	211843-00035	8637

7590 04/12/2005

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Chicago, IL 60661-3693

EXAMINER

BERMAN, JACK I

ART UNIT

PAPER NUMBER

2881

DATE MAILED: 04/12/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

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APPLICATION NO./ CONTROL NO.	FILING DATE	FIRST NAMED INVENTOR / PATENT IN REEXAMINATION	ATTORNEY DOCKET NO.
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EXAMINER

ART UNIT	PAPER
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20050408

DATE MAILED:

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Commissioner for Patents

Art Unit: 2881

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

The first paragraph of the specification is replaced by the following paragraph to indicate the claim of continuity from the parent application:

[0001] This application is a continuation of U.S. Patent Application Serial No. 10/170,512 filed on June 12, 2002, which claims priority of and benefit of U.S. Provisional Patent Application No. 60/170,473 filed on December 13, 1999, U.S. Provisional Patent Application No. 60/250,080 filed on November 30, 2000 and PCT Patent Application No. PCT/US00/33786 filed on December 13, 2000.

The Abstract is replaced with the following:

ABSTRACT

A multi mode ion source is disclosed that includes an ion source incorporating an ionization chamber for ionizing gas species and configured to have at least two discrete modes of operation; namely, an arc-discharge mode and a non-arc discharge mode of operation.

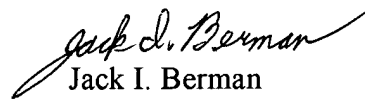
Since the amendment affects only formal issues that have no effect on the legal scope of the patent, no authorization for these amendments was required.

Art Unit: 2881

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jack I. Berman whose telephone number is (571) 272-2468. The examiner can normally be reached on M-F (8:30-6:00) with every second Friday off.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John R. Lee can be reached on (571) 272-2477. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).


Jack I. Berman
Primary Examiner
Art Unit 2881

jb
4/8/05